



SEQUENCE LISTING

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CHEN, CAILIN
ANDRADE-GORDON, PATRICIA

<120> HUMAN PRSS11-LIKE S2 SERINE PROTEASE AND USES THEREOF

<130> ORT-1644-CIP

<140> 10/617,443

<141> 2003-07-02

<150> 10/189,099

<151> 2002-07-03

<160> 31

<170> PatentIn Ver. 3.3

<210> 1

<211> 3006

<212> DNA

<213> Homo sapiens

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<212> PRT

<213> Homo sapiens

<400> 2

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Pro Ala Val Val His Ile Glu Leu Phe Leu Arg His Pro Leu Phe Gly
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Arg Asn Val Pro Leu Ser Ser Gly Ser Gly Phe Ile Met Ser Glu Ala
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Gly Leu Ile Ile Thr Asn Ala His Val Val Ser Ser Asn Ser Ala Ala
 65              70              75              80

Pro Gly Arg Gln Gln Leu Lys Val Gln Leu Gln Asn Gly Asp Ser Tyr
      85              90              95

Glu Ala Thr Ile Lys Asp Ile Asp Lys Lys Ser Asp Ile Ala Thr Ile
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Lys Ile His Pro Lys Lys Lys Leu Pro Val Leu Leu Leu Gly His Ser
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Ala Asp Leu Arg Pro Gly Glu Phe Val Val Ala Ile Gly Ser Pro Phe
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Ala Leu Gln Asn Thr Val Thr Thr Gly Ile Val Ser Thr Ala Gln Arg
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Glu Gly Arg Glu Leu Gly Leu Arg Asp Ser Asp Met Asp Tyr Ile Gln
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 Thr Asp Ala Ile Ile Asn Tyr Gly Asn Ser Gly Gly Pro Leu Val Asn
 180 185 190
 Leu Asp Gly Glu Val Ile Gly Ile Asn Thr Leu Lys Val Thr Ala Gly
 195 200 205
 Ile Ser Phe Ala Ile Pro Ser Asp Arg Ile Thr Arg Phe Leu Thr Glu
 210 215 220
 Phe Gln Asp Lys Gln Ile Lys Asp Trp Lys Lys Arg Phe Ile Gly Ile
 225 230 235 240
 Arg Met Arg Thr Ile Thr Pro Ser Leu Val Asp Glu Leu Lys Ala Ser
 245 250 255
 Asn Pro Asp Phe Pro Glu Val Ser Ser Gly Ile Tyr Val Gln Glu Val
 260 265 270
 Ala Pro Asn Ser Pro Ser Gln Arg Gly Gly Ile Gln Asp Gly Asp Ile
 275 280 285
 Ile Val Lys Val Asn Gly Arg Pro Leu Val Asp Ser Ser Glu Leu Gln
 290 295 300
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<220>
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23

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<210> 9
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 <213> Homo sapiens

<400> 9

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 35 40 45
 Gln Pro Glu His Cys Glu Gly Gly Arg Ala Arg Asp Ala Cys Gly Cys
 50 55 60
 Cys Glu Val Cys Gly Ala Pro Glu Gly Ala Ala Cys Gly Leu Gln Glu
 65 70 75 80
 Gly Pro Cys Gly Glu Gly Leu Gln Cys Val Val Pro Phe Gly Val Pro
 85 90 95
 Ala Ser Ala Thr Val Arg Arg Arg Ala Gln Ala Gly Leu Cys Val Cys
 100 105 110
 Ala Ser Ser Glu Pro Val Cys Gly Ser Asp Ala Asn Thr Tyr Ala Asn
 115 120 125
 Leu Cys Gln Leu Arg Ala Ala Ser Arg Arg Ser Glu Arg Leu His Arg
 130 135 140
 Pro Pro Val Ile Val Leu Gln Arg Gly Ala Cys Gly Gln Gly Gln Glu
 145 150 155 160
 Asp Pro Asn Ser Leu Arg His Lys Tyr Asn Phe Ile Ala Asp Val Val
 165 170 175
 Glu Lys Ile Ala Pro Ala Val Val His Ile Glu Leu Phe Arg Lys Leu
 180 185 190
 Pro Phe Ser Lys Arg Glu Val Pro Val Ala Ser Gly Ser Gly Phe Ile
 195 200 205
 Val Ser Glu Asp Gly Leu Ile Val Thr Asn Ala His Val Val Thr Asn
 210 215 220
 Lys His Arg Val Lys Val Glu Leu Lys Asn Gly Ala Thr Tyr Glu Ala
 225 230 235 240
 Lys Ile Lys Asp Val Asp Glu Lys Ala Asp Ile Ala Leu Ile Lys Ile
 245 250 255
 Asp His Gln Gly Lys Leu Pro Val Leu Leu Leu Gly Arg Ser Ser Glu
 260 265 270
 Leu Arg Pro Gly Glu Phe Val Val Ala Ile Gly Ser Pro Phe Ser Leu
 275 280 285
 Gln Asn Thr Val Thr Thr Gly Ile Val Ser Thr Thr Gln Arg Gly Gly
 290 295 300

Lys Glu Leu Gly Leu Arg Asn Ser Asp Met Asp Tyr Ile Gln Thr Asp
305 310 315 320

Ala Ile Ile Asn Tyr Gly Asn Ser Gly Gly Pro Leu Val Asn Leu Asp
325 330 335

Gly Glu Val Ile Gly Ile Asn Thr Leu Lys Val Thr Ala Gly Ile Ser
340 345 350

Phe Ala Ile Pro Ser Asp Lys Ile Lys Lys Phe Leu Thr Glu Ser His
355 360 365

Asp Arg Gln Ala Lys Gly Lys Ala Ile Thr Lys Lys Lys Tyr Ile Gly
370 375 380

Ile Arg Met Met Ser Leu Thr Ser Ser Lys Ala Lys Glu Leu Lys Asp
385 390 395 400

Arg His Arg Asp Phe Pro Asp Val Ile Ser Gly Ala Tyr Ile Ile Glu
405 410 415

Val Ile Pro Asp Thr Pro Ala Glu Ala Gly Gly Leu Lys Glu Asn Asp
420 425 430

Val Ile Ile Ser Ile Asn Gly Gln Ser Val Val Ser Ala Asn Asp Val
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Ser Asp Val Ile Lys Arg Glu Ser Thr Leu Asn Met Val Val Arg Arg
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Gly Asn Glu Asp Ile Met Ile Thr Val Ile Pro Glu Glu Ile Asp Pro
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<212> PRT

<213> Homo sapiens

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Pro Asp Leu Arg Ala Leu Leu Thr Ser Gly Thr Ser Asp Pro Arg Ala
35 40 45

Arg Val Thr Tyr Gly Thr Pro Ser Leu Trp Ala Arg Leu Ser Val Gly
50 55 60

Val Thr Glu Pro Arg Ala Cys Leu Thr Ser Gly Thr Pro Gly Pro Arg
65 70 75 80

Ala Gln Leu Thr Ala Val Thr Pro Asp Thr Arg Thr Arg Glu Ala Ser
85 90 95

Glu Asn Ser Gly Thr Arg Ser Arg Ala Trp Leu Ala Val Ala Leu Gly
 100 105 110
 Ala Gly Gly Ala Val Leu Leu Leu Leu Trp Gly Gly Gly Arg Gly Pro
 115 120 125
 Pro Ala Val Leu Ala Ala Val Pro Ser Pro Pro Pro Ala Ser Pro Arg
 130 135 140
 Ser Gln Tyr Asn Phe Ile Ala Asp Val Val Glu Lys Thr Ala Pro Ala
 145 150 155 160
 Val Val Tyr Ile Glu Ile Leu Asp Arg His Pro Phe Leu Gly Arg Glu
 165 170 175
 Val Pro Ile Ser Asn Gly Ser Gly Phe Val Val Ala Ala Asp Gly Leu
 180 185 190
 Ile Val Thr Asn Ala His Val Val Ala Asp Arg Arg Arg Val Arg Val
 195 200 205
 Arg Leu Leu Ser Gly Asp Thr Tyr Glu Ala Val Val Thr Ala Val Asp
 210 215 220
 Pro Val Ala Asp Ile Ala Thr Leu Arg Ile Gln Thr Lys Glu Pro Leu
 225 230 235 240
 Pro Thr Leu Pro Leu Gly Arg Ser Ala Asp Val Arg Gln Gly Glu Phe
 245 250 255
 Val Val Ala Met Gly Ser Pro Phe Ala Leu Gln Asn Thr Ile Thr Ser
 260 265 270
 Gly Ile Val Ser Ser Ala Gln Arg Pro Ala Arg Asp Leu Gly Leu Pro
 275 280 285
 Gln Thr Asn Val Glu Tyr Ile Gln Thr Asp Ala Ala Ile Asp Phe Gly
 290 295 300
 Asn Ser Gly Gly Pro Leu Val Asn Leu Asp Gly Glu Val Ile Gly Val
 305 310 315 320
 Asn Thr Met Lys Val Thr Ala Gly Ile Ser Phe Ala Ile Pro Ser Asp
 325 330 335
 Arg Leu Arg Glu Phe Leu His Arg Gly Glu Lys Lys Asn Ser Ser Ser
 340 345 350
 Gly Ile Ser Gly Ser Gln Arg Arg Tyr Ile Gly Val Met Met Leu Thr
 355 360 365
 Leu Ser Pro Ser Ile Leu Ala Glu Leu Gln Leu Arg Glu Pro Ser Phe
 370 375 380
 Pro Asp Val Gln His Gly Val Leu Ile His Lys Val Ile Leu Gly Ser
 385 390 395 400

Pro Ala His Arg Ala Gly Leu Arg Pro Gly Asp Val Ile Leu Ala Ile
 405 410 415

Gly Glu Gln Met Val Gln Asn Ala Glu Asp Val Tyr Glu Ala Val Arg
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Thr Gln Ser Gln Leu Ala Val Gln Ile Arg Arg Gly Arg Glu Thr Leu
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Thr Leu Tyr Val Thr Pro Glu Val Thr Glu
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<210> 11

<211> 353

<212> PRT

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Leu Ser Ser Pro Arg Tyr Lys Phe Asn Phe Ile Ala Asp Val Val Glu
 35 40 45

Lys Ile Ala Pro Ala Val Val His Ile Glu Leu Phe Leu Arg His Pro
 50 55 60

Leu Phe Gly Arg Asn Val Pro Leu Ser Ser Gly Ser Gly Phe Ile Met
 65 70 75 80

Ser Glu Ala Gly Leu Ile Ile Thr Asn Ala His Val Val Ser Ser Asn
 85 90 95

Ser Ala Ala Pro Gly Arg Gln Gln Leu Lys Val Gln Leu Gln Asn Gly
 100 105 110

Asp Ser Tyr Glu Ala Thr Ile Lys Asp Ile Asp Lys Lys Ser Asp Ile
 115 120 125

Ala Thr Ile Lys Ile His Pro Lys Lys Lys Leu Pro Val Leu Leu Leu
 130 135 140

Gly His Ser Ala Asp Leu Arg Pro Gly Glu Phe Val Val Ala Ile Gly
 145 150 155 160

Ser Pro Phe Ala Leu Gln Asn Thr Val Thr Thr Gly Ile Val Ser Thr
 165 170 175

Ala Gln Arg Glu Gly Arg Glu Leu Gly Leu Arg Asp Ser Asp Met Asp
 180 185 190

Tyr Ile Gln Thr Asp Ala Ile Ile Asn Tyr Gly Asn Ser Gly Gly Pro
 195 200 205

Leu Val Asn Leu Asp Gly Glu Val Ile Gly Ile Asn Thr Leu Lys Val
 210 215 220
 Thr Ala Gly Ile Ser Phe Ala Ile Pro Ser Asp Arg Ile Thr Arg Phe
 225 230 235 240
 Leu Thr Glu Phe Gln Asp Lys Gln Ile Lys Asp Trp Lys Lys Arg Phe
 245 250 255
 Ile Gly Ile Arg Met Arg Thr Ile Thr Pro Ser Leu Val Asp Glu Leu
 260 265 270
 Lys Ala Ser Asn Pro Asp Phe Pro Glu Val Ser Ser Gly Ile Tyr Val
 275 280 285
 Gln Glu Val Ala Pro Asn Ser Pro Ser Gln Arg Gly Gly Ile Gln Asp
 290 295 300
 Gly Asp Ile Ile Val Lys Val Asn Gly Arg Pro Leu Val Asp Ser Ser
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<210> 14
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